

**Abstract**

- 5 Process for the continuously operated distillation of the solvent used in the synthesis of an oxirane by reaction of a hydroperoxide with an organic compound, wherein the mixture comprising the solvent which is obtained in the synthesis and subsequent work-up is separated in a dividing wall column into a low-boiling fraction, an intermediate-boiling fraction and a high-boiling fraction and the solvent is taken off as intermediate-boiling fraction from the side offtake of the column.